PATENT COOPERATION TREATY



From the INTERNATIONAL SEARCHING AUTHORITY

To:
E.I. DUPONT DE NEMOURS AND COMPANY
LEGAL PATENT RECORDS CENTER

Attn. Joung, J., Kenneth 4417 Lancaster Pike

Wilmington, DE 19805 UNITED STATES OF AMERICA PCTMAR 21 2006

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year) 17/03/2006

Applicant's or agont's file reference
BB1545PCT FOR FURTHER ACTION See paragraphs 1 and 4 below International application No.
PCT/US2005/003332 (day/month/year) 28/01/2005

Applicant
E.I. DUPONT DE NEMOURS AND COMPANY et al.

The applicant is hereby notified that the international search report and the written opinion of the international Searching Authority have been established and are transmitted herewith.

Filling of amendments and statement under Article 19:
The applicant is crititled, if he so wishes, to amend the claims of the international Application (see Rule 46):

When? The time limit for filing such amendments is normally two months from the date of transmittal of the International Search Report.

Where? Directly to the International Bureau of WiPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Fascimile No.: (41--22) 338.82.70

For more detailed instructions, see the notes on the accompanying sheet.

 The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the international Searching Authority are transmitted herewith.

Article 17(2)(a) to that effect and the written opinion of the international Searching Authority are transmitted herewith.

3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to torward the texts of both the protest are not a decision thereon to the designated

a Reminders

Shortly after the expiration of 18 months from the priority data, the international application will be published by the international business: If the applicant withers to avoid on pospone published on, anotice of withdrawed of the international application, or of the pilotiny fallim, must each the International Bureau as provided in Pulses 90 to: 1 and 90 to: 3, respectively, before the completion of the technical preparations for international bureau as

The applicant may submit commens on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau with send a copy of such comments or all designated Offices uries as in international preliminary scarringtion report has been or is to be established. These comments would also be made available to the public but not below the exprishment of 30 months from the priority date.

Within 19 months from the princip date, but only in respect of some designated offices, a demand for international preliminary examination must be filled if the applicant wisses to postpone the entiry to the netational place until 30 months from the princip date in some Offices over later), or thereties, the applicant must, within 20 months from the priority date, perform the prescribed acts for entiry to the national phase before those delegrated Offices.

In respect of other designated Offices, the time firmt of 30 months. (or later) will apply even if no demand is filled within 19 months.

See the Annex to Form PCT/IB/201 and, for detaits about the applicable time limits, Office by Office, see the PCT Applicant's Guide. Volume II. National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority

European Patent Office, P.S. 5818 Patentian 2 NI.-2280 HV Risswijk Tet (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Authorized officer
Stefan Brell

PEY NOTED

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Pattern Cooperation Trenty, the Regulations and the Administrative Instructions under that Trenty in case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Cardic, a publishation of WIPIC.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the internatione search report and the whiten opinion of the International Searching Autority, one opportunity to amend the oldering of the international speciation. It is found however be emphasized that, ence all parts of the international application (claims, description and drawings) may be amended during the international application (claims, description and drawings) may be amended during the international applications (claims, description and offenings) may be amended during the international applications (claims, description and offenings) may be amended during the international applications (as a few administrations of the sumministration of the claims under Andrie 19 cases) from exercising and the international applications are sufficiently applicated benefits between the control of the purposes of provisional professions or the sumministration and the provisional applications of the purposes of provisional professional applications of the purposes of the purposes of the provisional professional applications of the purposes of the purposes of the provisional professional applications of the purpose of the pu

The attention of the applicant is drawn to the fact that amendments to the claims under Article 19 are not allowed where theirardischal Searching Authority has declared under Article 17(2), that no international search report would be established (see PCT Applicant's Guide, Volume I/A, pragraph 266).

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Prelimnary Exemining Authority. This description and drawings may only be amended under Article 34 before the International Exemining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmitted of the international search report or 16 months from the priority date, whichever time limit expressioner, it should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expression of the applicable time limit but before the completion of the technical preparations for international publication (fillule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Eather by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is carcelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims, it should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French. The letter must be in French.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's tile reterence BB154 SPCT		FOR FURTHER ACTION	as well	see Form PCTASA/220 as well as, where applicable, item 5 below	
international application No.		International filing date (day/mor	nth/year)	Nyear) (Earliest) Priority Date (disylmonth/year)	
PCT/US2005/003332		28/01/200	5	02/02/2004	
Applicant			***************************************	L	
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E.I. DUPO	NT DE NEMOURS AND	COMPANY et al.			
		n prepared by this international Se insmitted to the International Bure		ority and is transmitted to the applicant	
This internatio		of a total ofs a copy of each prior art document		report	
	egard to the language, the	international search was carried or ess otherwise indicated under this		is of the international application in the	
	The international this Authority (Rul		s of a transta	ation of the international application furnished to	
b. X			e disclosed	in the international application, see Box No. i.	
2	Certain claims were four	nd unsearchable (See Box II).			
3.	Unity of invention is lack	king (see Box III).			
4. With regar	d to the title.				
X	the text is approved as su				
	the text has been establish	hed by this Authority to read as fol	iows:		
5. With regar	d to the abstract,				
X	the text is approved as su			Down M. The section	
LJ				y as it appears in Box No. IV. The applicant h report, submit comments to this Authority.	
6. With regar	d to the drawings,				
a the fig		ublished with the abstract is Figure	No. 1		
	X as suggested by the		Initiad to a	and a fauce	
	the state of the s	s Authority, because the applicant s Authority, because this figure bet		-	
ь. 🗀	Land	published with the abstract.			

INTERNATIONAL SEARCH REPORT

international application No.

PCT/US2005/003332

Box No. 1 Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

- With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the dislimed invention, the international search was carried out on the basis of: type of material Х a sequence listing table(s) related to the sequence listing format of material in written format in computer readable form time of filing/himishing contained in the international application as filed filed together with the international application in computer readable form furnished subsequently to this Authority for the purpose of search In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filled or furnished, the required statements that the information in the succession or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were turnished.
- Additional comments:

INTERNATIONAL SEARCH REPORT

International Application No PCT/US2005/003332

			-,				
A. CLASSI	FICATION OF SUBJECT MATTER C12N15/00 A01H5/00						
According to Intermetional Parent Classification (iPC) or to both national classification and IPC							
8. FIELDS SEARCHED							
Minimum di	oournectation seatoriad. (classification system followed by classific C12N	oalion symbols)					
	tion searched other than minimum documentation to the extent th						
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)							
EPO-In	ternal, BIOSIS, Sequence Search, E	MBASE, WPI Data, PAJ					
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where appropriate, of the	Relevant to claim No.					
А	SHUAI BIN ET AL: "The LATERAL ORGAN BOUNDARIES gene defines a novel, plant-specific gene family" PLANT PHYSIOLOBY (ROCKVILLE), vol. 129, no. 2, June 2002 (2002-06), pages 747-761, XP002366088 ISSN: 0032-0889 cited in the application abstract figure 2; table 1		1-22				
Further documents are listed in the continuation of box C. Patent family members are listed in annex							
"A" docume consider to docume which i charter to docume which i charter to docume other a "P" docume other a	int which may filtow doubts on priority claim(s) or is sized to establish the publication date of another nor other special reason (as specified) and fellaring to an oral disclosure, use, exhibition or	17 tear document purplement after the tear intermediate lifting date of perity, delicit and so gill accollect with the application but offered by purple, delicit and so gill accollect with the application but offered to independent the principle of theory underlying the invention. 18 document of particular relevance, the object of the consideration cannot be considered to according to the consideration of the consideration to extend the consideration to the consideration to the consideration of the same particular lamby. 18 document consideration for the same particular lamby.					
Date of the a	acual completion of the international search	Date of mailing of the international sear	of report				
22 February 2006		17/03/2006					
Name and meding address of the ISA European Patent Office, P.B. \$818 Patenthaen 2 Nt. – 2289 I MR Rigards Tot. (+571-70) 340-3640, Tx. 31 651 epic 61, Pax. (+531-70) 340-3610, Tx. 31 651 epic 61,		Authorized officer Vollbach, S					
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INTERNATIONAL SEARCH REPORT

International Application No PCT/HS2005/003332

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim tio. HOCHHOLDINGER FRANK ET AL: "From weeds to Α 1-22 crops: Genetic analysis of root development in cereals. TRENDS IN PLANT SCIENCE. vol. 9, no. 1, January 2004 (2004-01), pages 42-48, XP002366089 ISSN: 1360-1385 page 46 - page 47: table 2 A HETZ WINFRIED ET AL: "Isolation and 1-22 characterization of rtcs, a maize mutant deficient in the formation of nodal roots" PLANT JOURNAL, BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD, GB, vol. 10, no. 5, 1996, pages 845-857, XP002182550 ISSN: 0960-7412 cited in the application page 853 - page 855; figure 9 1-22 P.A HOCHHOLDINGER FRANK ET AL: "Genetic dissection of root formation in maize (Zea mays) reveals root-type specific developmental programmes" ANNALS OF BOTANY (LONDON). vol. 93, no. 4, April 2004 (2004-04), pages 359-368, XP002366090 ISSN: 0305-7364 page 366 - page 367; tables 1,2 DATABASE UniProt 'Online! 1 - 22A 1 March 2003 (2003-03-01), "Hypothetical protein OSJNBb0050N02.10. YP002369174 retrieved from EBI accession no. UNIPROT:08H081 Database accession no. 08H081 cited in the application the whole document